



DEA No. RA0571996
FL License # CMTL-0003
CLIA No. 10D1094068

Certificate of Analysis

Compliance Test

3CHI
274 MEDICAL DR # 875
CARMEL, IN 46082

Batch # 220222-THCOMEL
Batch Date: 2022-02-22
Extracted From: Hemp

Sampling Method: MSP 7.3.1
Test Reg State: Florida

Order # 3CH220307-040001
Order Date: 2022-03-07
Sample # AAC0116

Sampling Date: 2022-03-07
Lab Batch Date: 2022-03-07
Completion Date: 2022-03-15

Initial Gross Weight: 100.500 g



Acetic Anhydride
Tested



Potency
Tested



Terpenes
Tested



Heavy Metals
Passed



Mycotoxins
Passed



Pesticides
Passed



Residual Solvents
Passed



Listeria Monocytogenes
Passed



Pathogenic
Passed



Potency 22 (LCUV)

Specimen Weight: 54.820 mg

Tested
(LCUV)

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
Delta-8 THC-O-Acetate	1000.000	0.000027	0.0003	966.1980	96.6198
Delta-9 THCO-Acetate	10.000	0.000077	0.0003	27.4920	2.7492
Delta-8 THC	10.000	0.000026	0.0015	6.2100	0.6210
THCVA	10.000	0.000047	0.0015	<LOQ	<LOQ
THCV	10.000	0.000007	0.0015	<LOQ	<LOQ
THCA-A	10.000	0.000032	0.0015	<LOQ	<LOQ
Exo-THC	10.000	0.00023	0.0015	<LOQ	<LOQ
CBC	10.000	0.000018	0.0015	<LOQ	<LOQ
Delta-9 THC	10.000	0.000013	0.0015	<LOQ	<LOQ
CBCA	10.000	0.000107	0.0015	<LOQ	<LOQ
Delta-10 THC	10.000	0.000003	0.0015	<LOQ	<LOQ
CBT	10.000	0.0002	0.0015	<LOQ	<LOQ
CBNA	10.000	0.000095	0.0015	<LOQ	<LOQ
CBN	10.000	0.000014	0.0015	<LOQ	<LOQ
CBL	10.000	0.000035	0.0015	<LOQ	<LOQ
CBGA	10.000	0.00008	0.0015	<LOQ	<LOQ
CBG	10.000	0.000248	0.0015	<LOQ	<LOQ
CBDVA	10.000	0.000014	0.0015	<LOQ	<LOQ
CBDV	10.000	0.000065	0.0015	<LOQ	<LOQ
CBDA	10.000	0.00001	0.0015	<LOQ	<LOQ
CBD	10.000	0.000054	0.0015	<LOQ	<LOQ
Delta-8 THCV	10.000	0.00004	0.0015	<LOQ	<LOQ

Potency Summary

Total THC None Detected	Total CBD None Detected
Total CBG None Detected	Total CBN None Detected
Other Cannabinoids 99.990%	Total Cannabinoids 99.990%

Terpenes Summary

Analyte	Result (mg/g)	(%)
(R)-(+)-Limonene	7.92	0.792%
trans-Caryophyllene	6.596	0.66%
beta-Myrcene	5.137	0.514%
Linalool	1.707	0.171%
Hexahydrothymol	1.221	0.122%
beta-Pinene	1.153	0.115%
alpha-Pinene	0.924	0.092%

Total Terpenes: 2.466%

Detailed Terpenes Analysis is on the following page

Xueli Gao
Lab Toxicologist
Ph.D., DABT

Aixia Sun
Lab Director/Principal Scientist
D.H.Sc., M.Sc., B.Sc., MT (AAB)



Definitions and Abbreviations used in this report: *Total CBD = CBD + (CBD-A * 0.877), *Total CBDV = CBDV + (CBDVA * 0.87), *Total THC = THCA-A * 0.877 + Delta 9 THC, *Total THCV = THCV + (THCVA * 0.87), *CBG Total = (CBGA * 0.877) + CBG, *CBN Total = (CBNA * 0.877) + CBN, *Total CBC = CBC + (CBCA * 0.877), *Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC-O-Acetate, *Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section, *Total Detected Cannabinoids = Delta8-THC + Total CBN + CBT + Delta8-THCV + Total CBG + Total CBD + Total THCV + CBL + Total THC + Total CBC + Total CBDV + Delta10-THC + Total THC-O-Acetate, *Analyte Details above show the Dry Weight Concentrations unless specified as 12% moisture concentration. (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram (cfu/g) = Colony Forming Unit per Gram, LOD = Limit of Detection, (µg/g) = Microgram per Gram (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = aw (area ratio) = Area Ratio, (mg/Kg) = Milligram per Kilogram, *Measurement of Uncertainty = +/- 10%



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Sample # AAC0116

Sampling Date: 2022-03-07
Lab Batch Date: 2022-03-07
Completion Date: 2022-03-15

Initial Gross Weight: 100.500 g

Terpenes **Tested**
(GC/GCMS)
Specimen Weight: 56.000 mg

Dilution Factor: 20.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
(R)-(-)-Limonene	0.002	7.920	0.792	(+)-Cedrol	0.002	<LOQ	<LOQ
trans-Caryophyllene	0.002	6.596	0.660	Fenchyl Alcohol	0.002	<LOQ	<LOQ
beta-Myrcene	0.002	5.137	0.514	Geraniol	0.002	<LOQ	<LOQ
Linalool	0.002	1.707	0.171	Borneol	0.004	<LOQ	<LOQ
Hexahydrothymol	0.002	1.221	0.122	3-Carene	0.002	<LOQ	<LOQ
beta-Pinene	0.002	1.153	0.115	alpha-Bisabolol	0.002	<LOQ	<LOQ
alpha-Pinene	0.002	0.924	0.092	alpha-Cedrene	0.002	<LOQ	<LOQ
Sabinene Hydrate	0.002	<LOQ	<LOQ	alpha-Humulene	0.002	<LOQ	<LOQ
Sabinene	0.002	<LOQ	<LOQ	alpha-Phellandrene	0.002	<LOQ	<LOQ
Terpinolene	0.002	<LOQ	<LOQ	alpha-Terpinene	0.002	<LOQ	<LOQ
Geranyl acetate	0.002	<LOQ	<LOQ	Camphene	0.002	<LOQ	<LOQ
Pulegone	0.002	<LOQ	<LOQ	Gamma-Terpinene	0.002	<LOQ	<LOQ
Ocimene	0.000	<LOQ	<LOQ	Camphors	0.006	<LOQ	<LOQ
Nerol	0.002	<LOQ	<LOQ	Caryophyllene oxide	0.002	<LOQ	<LOQ
Total Terpeneol	0.001	<LOQ	<LOQ	cis-Nerolidol	0.002	<LOQ	<LOQ
Isopulegol	0.002	<LOQ	<LOQ	Eucalyptol	0.002	<LOQ	<LOQ
Isoborneol	0.002	<LOQ	<LOQ	Farnesene	0.002	<LOQ	<LOQ
trans-Nerolidol	0.002	<LOQ	<LOQ	Fenchone	0.002	<LOQ	<LOQ
Guaiol	0.002	<LOQ	<LOQ	Valencene	0.002	<LOQ	<LOQ

Total Terpenes: 2.466%

Mycotoxins
Specimen Weight: 188.400 mg

Dilution Factor: 7.962

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	6	20	<LOQ	Aflatoxin G2	6	20	<LOQ
Aflatoxin B2	6	20	<LOQ	Ochratoxin A	12	20	<LOQ
Aflatoxin G1	6	20	<LOQ				

Passed (LCMS) **Heavy Metals**
Specimen Weight: 252.900 mg

Dilution Factor: 197

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)	100	1500	<LOQ	Lead (Pb)	100	500	<LOQ
Cadmium (Cd)	100	500	<LOQ	Mercury (Hg)	100	3000	<LOQ

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Completion Date: 2022-03-15

Initial Gross Weight: 100.500 g

Pesticides FL V4 **Passed** **Residual Solvents - FL (CBD)** **Passed**
Specimen Weight: 188.400 mg (LCMS/GCMS) Specimen Weight: 14.100 mg (GCMS)

Dilution Factor: 7.962

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Abamectin	28.23	300	<LOQ	Fludioxonil	48	3000	<LOQ
Acephate	30	3000	<LOQ	Hexythiazox	30	2000	<LOQ
Acequinocyl	48	2000	<LOQ	Imazalil	30	100	<LOQ
Acetaminiprid	30	3000	<LOQ	Imidacloprid	30	3000	<LOQ
Aldicarb	30	100	<LOQ	Kresoxim Methyl	30	1000	<LOQ
Azoxystrobin	10	3000	<LOQ	Malathion	30	2000	<LOQ
Bifenazate	30	3000	<LOQ	Metaxalyl	10	3000	<LOQ
Bifenthrin	30	500	<LOQ	Methiocarb	30	100	<LOQ
Boscalid	10	3000	<LOQ	Methomyl	30	100	<LOQ
Captan	30	3000	<LOQ	methyl-Parathion	10	100	<LOQ
Carbaryl	10	500	<LOQ	Mevinphos	10	100	<LOQ
Carbofuran	10	100	<LOQ	Myclobutanil	30	3000	<LOQ
Chlorantranilprole	10	3000	<LOQ	Naled	30	500	<LOQ
Chlordane	10	100	<LOQ	Oxamyl	30	500	<LOQ
Chlorfenapyr	30	100	<LOQ	Pacllobutrazol	30	100	<LOQ
Chloromequat Chloride	10	3000	<LOQ	Pentachloronitrobenzene	10	200	<LOQ
Chlorpyrifos	30	100	<LOQ	Permethrin	30	1000	<LOQ
Clofentezine	30	500	<LOQ	Phosmet	30	200	<LOQ
Coumaphos	48	100	<LOQ	Piperonylbutoxide	30	3000	<LOQ
Cyfluthrin	30	1000	<LOQ	Prallethrin	30	400	<LOQ
Cypermethrin	30	1000	<LOQ	Propiconazole	30	1000	<LOQ
Daminozide	30	100	<LOQ	Propoxur	30	100	<LOQ
Diazinon	30	200	<LOQ	Pyrethrins	30	1000	<LOQ
Dichlorvos	30	100	<LOQ	Pyridaben	30	3000	<LOQ
Dimethoate	30	100	<LOQ	Spinetoram	10	3000	<LOQ
Dimethomorph	48	3000	<LOQ	Spinosad	30	3000	<LOQ
Ethoprophos	30	100	<LOQ	Spiromesifen	30	3000	<LOQ
Etofenprox	30	100	<LOQ	Spirotetramat	30	3000	<LOQ
Etoxazole	30	1500	<LOQ	Spiroxamine	30	100	<LOQ
Fenhexamid	10	3000	<LOQ	Tebuconazole	30	1000	<LOQ
Fenoxycarb	30	100	<LOQ	Thiacloprid	30	100	<LOQ
Fenpyroximate	30	2000	<LOQ	Thiamethoxam	30	1000	<LOQ
Fipronil	30	100	<LOQ	Trifloxystrobin	30	3000	<LOQ
Fonicamid	30	2000	<LOQ				

Dilution Factor: 1.000

Analyte	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOQ (ppm)	Action Level (ppm)	Result (ppm)
1,1-Dichloroethene	0.16	8	<LOQ	Heptane	1.39	5000	<LOQ
1,2-Dichloroethane	0.04	5	<LOQ	Hexane	1.17	290	<LOQ
Acetone	2.08	5000	<LOQ	Isopropyl alcohol	1.39	500	<LOQ
Acetonitrile	1.17	410	<LOQ	Methanol	0.69	3000	<LOQ
Benzene	0.02	2	<LOQ	Methylene chloride	2.43	600	<LOQ
Butanes	2.5	2000	<LOQ	Pentane	2.08	5000	<LOQ
Chloroform	0.04	60	<LOQ	Propane	5.83	2100	<LOQ
Ethanol	5000	2.78	<LOQ	Toluene	2.92	890	<LOQ
Ethyl Acetate	1.11	5000	<LOQ	Total Xylenes	2.92	2170	<LOQ
Ethyl Ether	1.39	5000	<LOQ	Trichloroethylene	0.49	80	<LOQ
Ethylene Oxide	0.1	5	<LOQ				

Pathogenic SAE (qPCR) **Passed**
Specimen Weight: 227.800 mg (qPCR)

Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result (cfu/g)	Analyte	Action Level (cfu/g)	Result (cfu/g)
Aspergillus (Flavus, Fumigatus, Niger, Terreus)	1	Absence in 1g	Salmonella	1	Absence in 1g
E.Coli	1	Absence in 1g			

Listeria Monocytogenes **Passed**
Specimen Weight: 993.050 mg (qPCR)

Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result
Listeria Monocytogenes	1	Absence in 1g

Acetic Anhydride **Tested**
Specimen Weight: 252.900 mg (GCMS)

Analyte	LOQ (ppm)	Result (ppm)
Acetic Anhydride	2.6	<LOQ

Xueli Gao Lab Toxicologist
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Aixia Sun Lab Director/Principal Scientist
D.H.Sc., M.Sc., B.Sc., MT (AAB)

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